

**ABSTRACT OF THE DISCLOSURE**

The invention provides a chimeric peptide or mixture of chimeric peptides that can be formulated as an immunizing composition and used in a method for immunization of a mammal against an internal peptide cleavage product derived from a precursor or mature protein, for which the peptide cleavage product and the precursor or mature protein are self molecules. The chimeric peptide or peptides have an end-specific B cell epitope from a naturally-occurring internal peptide cleavage product of a precursor or mature protein, as a free N- or C- terminus, fused with or without spacer residues to a T helper cell epitope derived from a living source different from that of the internal peptide cleavage product.

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